Amendments to the Specification:

Please replace the paragraph beginning on page 4, line 22, with the following rewritten paragraph:

To solve the problems of the known method, the invention is mainly characterized by - determining the amount of material on the screen surface by automatic measurement; and - controlling the amount of material on the screen surface by adjusting the conveying speed of the conveyor on the basis of the measurement by automatic control in such a manner that the conveying speed, which is above zero, is changed to a different conveying speed, which is above zero, in specific ways using upper and lower preset values for the measurement value of a variable dependent on the amount of the material on the screen surface and a preset value for a speed of change of the measurement value of the variable dependent on the amount of material on the screen surface.~~the features described in claim 1. Preferred embodiments of the method are disclosed in claims 2 to 13. The screening machine according to the invention is characterized by the features of claim 14.~~

Please add the following new paragraph after the paragraph ending on line 25 of page 4:

The screening machine according to the invention is characterized by

- a sensor arranged to measure a variable dependent on the amount of material on the screen surface;
- a controller to which said sensor is connected through a data transmission line to receive a measurement value related to said variable from the sensor;

and

- an actuator operatively connected to the conveyor and arranged to change the conveying speed of the conveyor, wherein

- said controller is connected to said actuator through a data transmission line and arranged to give a control command to said actuator in response to the measurement value received from the sensor to change the conveying speed of the conveyor, which is above zero, to a different conveying speed, which is above zero, in specific ways using the above-mentioned preset values.

Please replace the Abstract with the attached amended Abstract.